

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) An electrode composition comprising:
a current conducting material; and
a heteroaryl-metal complex in contact with said current conducting material,
wherein said heteroaryl-metal complex is of the formula:
$$[M-(L)_a]_m Y_n$$
wherein
a is an integer from 1 to 6;
m and n are absolute value of oxidation state of Y or $[M-(L)_a]$, respectively; or if $[M-(L)_a]$ is not charged Y is not present and said heteroaryl-metal complex is of the formula $M-(L)_a$;
M is a metal;
Y is a counterion; and
each L is independently a heteroaryl moiety containing one or more coordinating heteroatoms.
2. (Original) The electrode composition of Claim 1 having work function of about 3.5 eV or less.
3. (Original) The electrode composition of Claim 1, wherein said heteroaryl-metal complex is of the formula $M-(L)_a$.
4. (Original) The electrode composition of Claim 3, wherein a is an integer of 2 or 3.
5. (Original) The electrode composition of Claim 4, wherein M is a transition metal.
6. (Original) The electrode composition of Claim 5, wherein M is selected from the group consisting of Ru, Cr, Fe, Zn, Co, Mn, Cu, Os, Rh, and Ni.
7. (Original) The electrode composition of Claim 6, wherein M is selected from the group consisting of Ru and Cr.
8. (Original) The electrode composition of Claim 5, wherein L is a polypyridyl or phenanthroline moiety.

9. (Original) The electrode composition of Claim 8, wherein L is selected from the group consisting of optionally substituted 2,2'-bipyridyl, optionally substituted 1,10-phenanthroline, optionally substituted 2,2',6',2"-terpyridyl and a derivative thereof.

10. (Original) The electrode composition of Claim 8, wherein L is a polypyridyl moiety.

11. (Original) The electrode composition of Claim 10, wherein L is selected from the group consisting of 4,4',5,5'-tetramethyl-2,2'-bipyridyl; 2,2'-bipyridyl; and 2,2',6',2"-terpyridyl.

12. (Original) The electrode composition of Claim 1, wherein said current conducting material is a metal or a metal alloy.

13. (Original) The electrode composition of Claim 12, wherein said current conducting material comprises silver, gold or a mixture thereof.

14-17. (Cancelled).

18. (Original) An electronic device comprising an electrode of Claim 1.

19. (Original) A composition comprising a metal or a metal alloy in contact with a heteroaryl-metal coordination complex, wherein said heteroaryl-metal coordination complex is of the formula:



wherein

a is an integer from 1 to 6;

M is a metal;

Y is a counterion; and

each L is independently a heteroaryl moiety containing one or more coordinating heteroatoms.

20-24. (Cancelled).